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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/881,681	06/18/2001	Kumiko Ogino	1035-329	7189

7590 02/05/2004

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EXAMINER

ARSHAD, UMAR

ART UNIT	PAPER NUMBER
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2174

DATE MAILED: 02/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/881,681

Applicant(s)

OGINO ET AL.

Examiner

Umar Arshad

Art Unit

2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 recites the limitation "the printing job information selected by the user from the list in said step d)" in line 9. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 2, 6, 7, 9 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sanchez et al., U.S. patent No. 5,832,298 in view of Boss et al., U.S. Patent No. 5,758,110.

As per claim 1, Sanchez et al. ("Sanchez") teaches a printing output user interface control method for controlling printing job information settings for a user interface which provides a printing related information setting environment on a user interface display section formed in a printing data supply device, when printing data is supplied with the printing job information from the printing data supply device connected with a printing output device via network to the printing output device equipped with a printing job information display section which indicates printing job information by each printing job (see column 2, lines 31 – 61 and column 5 lines 9 and 10; the examiner interprets a user's work station as a data supply device, and a digital copier as a printing output device; it is taught that a suitable digital copier is a Canon GP55, and it is inherent that this printer has a printing job information display). Sanchez further teaches

a) receiving capability information of said printing data supply device from said printing output device (see Sanchez, column 2, lines 40 – 43);

b) comparing printing job information manually or automatically inputted in the setting environment with the capability information received by said printing data supply device in said step a) (see Sanchez, column 2, lines 47 – 51; it is inherent that information input by the user is compared with the capability information received by user's work station); and

c) providing a user with an indication to input the printing job information with information suitable for the capability of said printing output device (see column 2, lines 47 – 51 and column 5 lines 9 and 10; the examiner interprets displaying a menu of job options which are appropriate for the current capabilities of the printing output device as providing a user with an indication to input the printing job information with information suitable for the capability of said printing output device).

Sanchez does not teach receiving display capability information of said printing job information display section of said printing output device and inputting the printing job information with characters suitable for the display capability of said printing job information display section when the printing job information is inputted with characters not suitable for the display capability of said printing job information display section.

Boss et al. ("Boss") teaches receiving display capability information for a device (see Boss, column 11, line 61 - column 12, line 1; it is inherent that the display capabilities for a display device are received and stored). Boss further teaches inputting the printing job information with characters suitable for the display capability of said printing job information display section when the printing job information is inputted with characters not suitable for the display capability of said printing job information display

section. It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the method of Boss with the method of Sanchez in order to ensure proper display of information on the printing output device.

As per claim 2, Sanchez teaches a printing output user interface control method for controlling printing job information settings for a user interface which provides a printing related information setting environment on a user interface display section formed in a printing data supply device, when printing data is supplied with the printing job information from the printing data supply device connected with a printing output device via network to the printing output device equipped with a printing job information display section which indicates printing job information by each printing job (see column 2, lines 31 – 61 and column 5 lines 9 and 10; the examiner interprets a user's work station as a data supply device, and a digital copier as a printing output device; it is taught that a suitable digital copier is a Canon GP55, and it is inherent that this printer has a printing job information display). Sanchez further teaches

a) receiving capability information of said printing data supply device from said printing output device (see Sanchez, column 2, lines 40 – 43);

b) storing printing job information in said printing data supply device, according to a user's operation (see Sanchez, column 2, lines 52 – 53); and

c) comparing printing job information manually or automatically inputted in the setting environment with the capability information received by said printing data supply device in said step a) (see Sanchez, column 2, lines 47 – 51; it is inherent that

information input by the user is compared with the capability information received by user's work station).

Sanchez does not teach receiving display capability information of said printing job information display section of said printing output device, storing information on characters suitable for the display capability of said printing job information display section and converting the inputted printing job information to the stored printing job information stored in said step b) when the printing job information is inputted with characters not suitable for the display capability of said printing job information display section.

Boss et al. ("Boss") teaches receiving display capability information for a device (see Boss, column 11, line 61 - column 12, line 1; it is inherent that the display capabilities for a display device are received and stored), storing information on characters suitable for the display capability of said printing job information display section (see Boss, column 11, lines 61 – 64) and converting inputted printing job information to the stored printing job information stored in said step b) when the printing job information is inputted with characters not suitable for the display capability of said printing job information display section (see Boss, column 12, lines 10 – 17). It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the method of Boss with the method of Sanchez in order to ensure proper display of information on the printing output device.

As per claim 3, which is dependent on claim 2, Sanchez and Boss teach the method of claim 2 (see rejection above). Sanchez further teaches the printing output user interface control method of Claim 2, further comprising the steps of:

storing a plurality of printing job information in said step b) (see Sanchez, column 2, lines 52 – 53); and

displaying a list of a plurality of stored printing job information on said user interface display section, and converting printing job information inputted in the setting environment to the printing job information selected by the user (see Sanchez, column 2, lines 47 – 61; it is inherent that the information selected by the user is converted to printing job information through the graphical user interface presented to the user).

As per claim 6, it is of similar scope to claim 1 and is rejected under the same rationale as claim 1 (see rejection above).

As per claim 7, it is of similar scope to claim 2 and is rejected under the same rationale as claim 2 (see rejection above).

As per claim 9, which is dependent on claim 7 Sanchez and Boss teach the medium of claim 7 (see rejection above). Sanchez further teaches a printing data supply device comprising a computer which reads said program from the recording medium of Claim 7, and executes said program (see Sanchez, column 5, lines 18 and 19).

As per claim 11, which is dependent on claim 9, Sanchez and Boss teach the medium of claim 9 (see rejection above). Sanchez further teaches an information processing system, wherein: the printing data supply device of Claim 9 and said printing output device are connected via network (see Sanchez, column 2, lines 15 – 16).

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sanchez et al., U.S. patent No. 5,832,298 in view of Boss et al., U.S. Patent No. 5,758,110 further in view of Matysek et al., U.S. Patent No. 5,442,732.

As per claim 4, which is dependent on claim 2, Sanchez and Boss teach the method of claim 2 (see rejection above). Sanchez further teaches the printing output user interface control method of Claim 2, further comprising the step of further converting display content when stored printing job information is selected and used for a printing job (see Sanchez, column 53 – 56).

Sanchez does not teach a plurality of printing jobs and making each printing job distinguishable. Matysek et al. ("Matysek") teaches a method wherein stored printing job information is selected and used for a plurality of printing jobs in order to make each printing job distinguishable (see Matysek, column 2, lines 13 – 21; it is inherent that the printing jobs will be distinguishable from each other). It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the method of

Matysek with the method of Sanchez and Boss in eliminate the labor intensive step of creating multiple copies of different jobs by the user.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sanchez et al., U.S. patent No. 5,832,298 in view of Boss et al., U.S. Patent No. 5,758,110 further in view of Rigazio et al., U.S. Patent No. 6,182,039.

As per claim 5, which is dependent on claim 2, Sanchez and Boss teach the method of claim 2 (see rejection above). Sanchez and Boss teach converting printing job information. Sanchez and Boss do not teach the printing output user interface control method of Claim 2, further comprising the step of indicating the converted printing job information on said user interface display section, and prompting a user to confirm the conversion in the above conversion process.

Rigazio et al. ("Rigazio") teaches indicating converted information on a user interface display section, and prompting a user to confirm the conversion in the conversion process (see Rigazio, column 10, lines 35 – 37; the examiner interprets receiving an input name and converting the input name into a retrieved name as a conversion process). It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the method of Rigazio with the method of Sanchez and Boss in order to ensure accuracy of the conversion.

As per claim 8, which is dependent on claim 5 Sanchez, Boss and Rigazio teach the method of claim 5 (see rejection above). Sanchez further teaches a printing data supply device comprising a computer which reads said program from the recording medium of Claim 5 and executes said program (see Sanchez, column 5, lines 18 and 19).

As per claim 10, which is dependent on claim 8, Sanchez, Boss and Rigazio teach the method of claim 8 (see rejection above). Sanchez further teaches an information processing system, wherein: the printing data supply device of Claim 8 and said printing output device are connected via network (see Sanchez, column 2, lines 15 – 16).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Umar Arshad whose telephone number is (703) 305-0329. The examiner can normally be reached on Monday - Friday, 9am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L Kincaid can be reached on (703) 308-0640. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

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